

ATTACHMENT 1

APPENDIX A

STATEMENT OF WORK SERVICE AGREEMENT FOR TESTING AND INSPECTION SERVICES

September 18, 2014

1.0 GENERAL SCOPE

Historically, The National Renewable Energy Lab Laboratory (NREL) in Golden, CO has subcontracted with Testing and Inspection Services companies to support its Testing and Inspection needs on an individual task order basis. As the site has grown, NREL has realized that there are technical, safety, and economic benefits of subcontracting with one or more competent Testing and Inspection Services (T&IS) firms. The purpose of this statement of work is to select a subcontractor to work collaboratively with NREL to enhance its Testing and Inspection Services program. The successful subcontractor would be a preferred T&IS provider that NREL and its subcontractors would utilize as needed for ongoing Testing and Inspection Services under a Service Agreement.

2.0 THE WORK TO BE PERFORMED

The subcontractor shall provide all materials, equipment and qualified labor necessary to complete the Testing and Inspection Services (T&IS) requested by authorized NREL representatives through NREL's Work Order system. All T&IS work shall be performed in accordance with all applicable codes, standards, and project specifications. Structural Inspections will be in accordance with Chapter 17 of the 2012 International Building Code. All reports shall be appropriately signed by a qualified individual and copies shall be transmitted both electronically by email and a hard copy via United States Postal Service to the NREL Project Manager.

In general, the T&IS work covered under this Task Ordering Agreement shall include the testing, inspection and observation of:

- A. Earthwork for Site improvements including utilities, roadways, walks, general grading
- B. Earthwork for Structures
- C. Drilled Piers
- D. Sanitary Sewerage
- E. Subdrainage Systems
- F. Storm Drainage
- G. Asphalt
- H. Concrete Unit Masonry
- I. Cast-In-Place Concrete including structures, roadways, walks, and site improvements
- J. Structural Steel
- K. Welding Inspections including orbital welds
- L. Composite, Self-Adhering Membrane Waterproofing
- M. Elastomeric Membrane Roofing
- N. Retaining Walls
- O. Helical Pile Foundations
- P. Spray fire resistant materials
- Q. Mastic and fire resistant coatings
- R. Fire resistant penetrations and joints

3.0 LOCATION OF WORK

The National Renewable Energy Laboratory (NREL) currently has two main campuses and several outlying facilities where project specific work could occur. The main campus locations are:

- South Table Mountain Campus(15013 Denver West Parkway, Golden, CO 80401)
- National Wind Technology Center (18200 Highway 128, Golden, CO 80401).

In addition, NREL maintains office, lab, and test space at several other locations outside of either of the above campuses where project work could be requested. These locations are currently as follows:

- SolarTac, Watkins, CO
- Denver West Office Park, Golden, CO
- RTD Refueling Facility, Denver, CO
- Joyce Street Facility, Denver, CO

3.0 PROJECT DIRECTION

The subcontractor shall provide all materials, equipment and qualified labor necessary to complete the Testing and Inspection Services (T&IS) as requested by authorized NREL representatives through NREL's Work Order system. Authorized NREL representatives will obtain a NREL Work Order from NREL's Work Control and will provide a copy of that Work Order along with a description of the required services to the authorized T&IS representative. The T&IS representative will then be required to coordinate with the designated NREL representative and Project Subcontractor to perform all required services within the designated timeframes. The Work Order number shall be provided on all invoices for services performed under that Work Order. Subcontractor shall not provide services under this Agreement unless the request is accompanied by an NREL Work Order.

4.0 RESPONSE TIME

The Subcontractor shall be available to provide the requested services within 48 hours of receipt of a service request from an authorized NREL representative or Subcontractor representative designated by the authorized NREL PM for a specific project. Reports for all inspections and tests shall be submitted to the NREL Project Manager within 72 hours of completion of the inspection or test.

5.0 SUBCONTRACT DOCUMENTS

All drawings, specifications and copies thereof furnished by NREL in support of the requested services are, and shall remain, the property of NREL. They are to be used only with respect to providing the T&IS services and are not to be used on any other project. With the exception of one set retained by the T&IS Subcontractor, such documents are to be returned to NREL, or suitably accounted for, at the completion of each individual service request.

NREL will review the Subcontractor's documentation submittals, such as such as test results, reports, etc. and notify the subcontractor should any additional follow up services be required based on the results. The subcontractor shall clearly notify NREL when a test or inspection is not in compliance with project specification requirements or other codes and standards.

6.0 WORK HOURS

Work hours at NREL are 8:00 a.m. to 5:00 p.m., Monday through Friday, except holidays. Subcontractor personnel are not allowed on site during non-working hours unless prior arrangements have been made with the NREL Project Manager. When Subcontractor personnel are authorized to work during other than

normal working hours, the Subcontractor must notify the NREL Security Desk at telephone number (303) 384-6811, at least 24 hours in advance of planned activities and upon arrival and departure of Subcontractor personnel.

7.0 SECURITY

All Subcontractor employees are required to wear NREL identification badges on their outer garment, upper portion of their body at all times while on NREL premises. Subcontractors and their lower-tiers on site without badges will be required to leave the NREL site. Single day use badges may be obtained at the NREL Site Entrance Building. These badges must be returned following completion of each day's work activities. Any Foreign National workers shall be required to have an approved Foreign National Data Card prior to being granted access to the NREL campus.

Arrangements for NREL identification badges will be accomplished at the scheduled award conference. All issued badges must be surrendered immediately to the Security Office upon termination of authorized activities at the Laboratory.

8.0 ENVIRONMENTAL SAFETY AND SECURITY

All work under this Task Ordering Agreement shall be performed in accordance with NREL Environmental Safety & Security practices identified in the Service Agreement Schedule under Article 12, Worker Safety and Health Requirements.